General Information

The information in this section applies to *all* installation methods. The following topics are covered:

- Product Requirements

- Installation Jobs and Procedures

- Using System Maintenance Aid

Product Requirements

Required Products

The following products must be installed before you install PAC / PAA 2.3.1.

Natural

- Natural for Mainframes version 3.1.*n*.

Note:
If you are using Natural for Mainframes Version 3.1.3 of 3.1.4 please ensure that the following fixes are applied:

Zap Correction	NA44135
Zap Correction	NA44136
Natural IUPD	NA31429

Adabas

- Adabas version 7.

    The following Adabas parameter should be set during the installation of PAC/PAA 2.3.1:

    `NISNHQ=200` (or greater)

Predict

- Predict version 4.1.

    For Predict 4.1, fix PD412I8 must be applied. This fix is supplied on the installation tape in file PRD412.I0I8

- Predict version 4.2.

    For Predict 4.2, fix PD421I1 must be applied. This fix is supplied on the installation tape in file PRD421.I0I1

Predict Compatibility:

Since PAC and PAA provide change management for both Predict and Natural objects, they must be compatible with new versions of Predict. Thus, the structure of the PAC PCF system file must match the version of the Predict installed.

The PAC PCF system files provided on the PAC / PAA 2.3 installation tape is compatible with Predict 4.1 and Predict 4.2. The PAC PCF system file must not be shared between different versions of Predict.

For this version of Predict ...	... use this dataset
Predict 4.1	PAC23*n*SYS2
Predict 4.2	PAC23*n*SYS3

Other Related Software AG Products

These products are not in any particular order, but if used with PAC/PAA 2.3.1, the following prerequisites must be met:

Natural Security

- Natural Security for Mainframes version 3.1.*n*.

- Natural Security is required to restrict users in the PAA system from performing administration functions and from initiating loads.

- Natural Security is required to access User Exit subprograms from libraries other than SYSPAC and SYSPAA.

Natural for DB2

- Natural for DB2 version 3.1.*n*.

Predict Case

- Predict Case version 2.5.

Entire System Server

- Entire System Server version 3.1.*n* is required to support foreign objects.· Set the following ESY startup parameter:

  ```
  IUBL=12000 (recommended)
  ```

You may wish to fine-tune this parameter with the parameters in module NATPNIPS, depending on the requirements of your installation.

Natural Construct

Natural Construct 4.3.1

Supported TP Monitors

- OS/390 environment - Com-plete, CICS, TSO, and IMS/DC TP-monitors.

- DOS/VSE environment - Com-plete and CICS TP-monitors

- BS2000/OSD environment - UTM and TIAM TP-monitors.

- VM/CMS environment - VM/CMS TP-monitor.

Installation Jobs and Procedures

The method used for installing PAC/PAA depends on your operating system environment.

BS2000/OSD, OS/390, DOS/VSE

For these operating systems, the installation of Software AG products is performed by installation jobs. These jobs are either adapted "manually" or generated by System Maintenance Aid (SMA).

For each step of the installation procedure described below, the job number of a job performing the respective task is indicated. This job number refers to an installation job generated by SMA. If you are not using SMA, a sample installation job of the same number is provided in the job library on the PAC/PAA installation tape; you must adapt this example job to your requirements. Please note that the job numbers on the tape are preceded by a product code (for example, PACI061 or PAAI050).

VM/CMS

The installation of Software AG products is performed by installation procedures. Sample procedures are provided on the installation tape.

Note:
These procedures are only examples and must be adapted to your environment as required.

Using System Maintenance Aid

Note:
System Maintenance Aid is not available for operating system VM/CMS.

If you are using Software AG's System Maintenance Aid (SMA) for the installation process, please note the following before generating jobs.

1. Load the SMA table data as described in the System Maintenance Aid documentation (if you have not already done so).

2. Set PAC 2.3.n in the list of available products for your environment to "TO BE INSTALLED".

Proceed with the steps described below, depending on the installation method you choose.

First-Time Installation

Make the following settings in parameter group OPTION depending on your operating system:

1. For operating systems OS/390, BS2000/OSD and DOS/VSE: Set the parameter `PAC-FIRST-INSTALL` to Y.

2. After successful installation, you are strongly recommended to set the above parameters to N and to commit the environment.

Conversion / Upgrade Installation

If a PAC version 2.2.1 or 2.2.2 is marked as "INSTALLED" in your SMA environment, you can convert / upgrade to version 2.3.1 with the following parameter settings in parameter group OPTION.

For operating systems OS/390, BS2000/OSD and DOS/VSE: Set the parameter `PAC-FIRST-INSTALL` to N.

See the System Maintenance Aid documentation for more information.